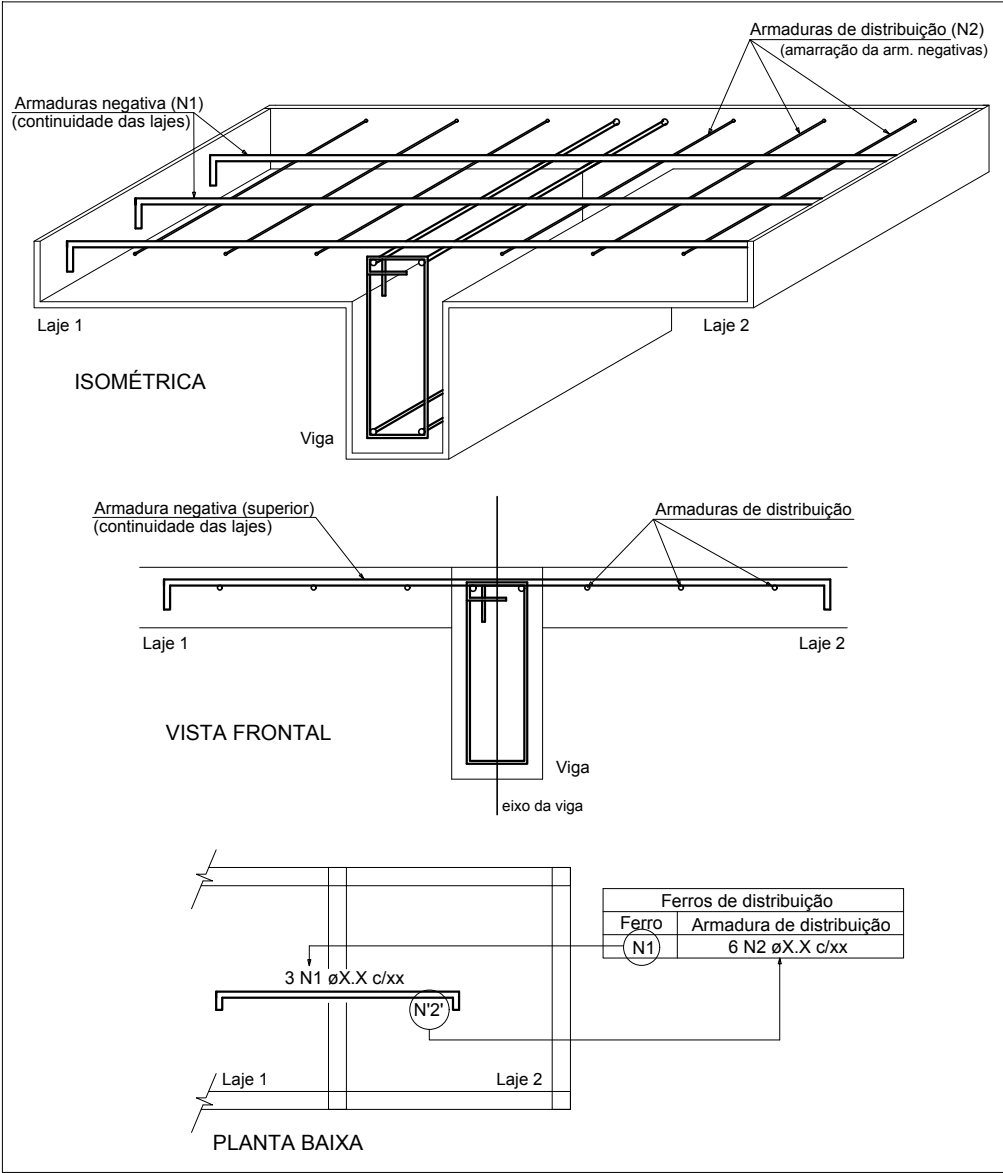


Feros de distribuição	
Ferro	Armadura de distribuição
N165	48 N4 ø5.0 c/20 C=VAR
N117	14 N37 ø5.0 c/20 C=274
N117	14 N38 ø5.0 c/20 C=161
N166	16 N39 ø5.0 c/17 C=288
N167	14 N40 ø5.0 c/20 C=150
N118	14 N41 ø5.0 c/20 C=VAR
N117	14 N42 ø5.0 c/20 C=144
N119	17 N43 ø5.0 c/20 C=136
N120	16 N24 ø5.0 c/20 C=145
N121	17 N44 ø5.0 c/20 C=102
N117	14 N44 ø5.0 c/20 C=102
N119	17 N38 ø5.0 c/20 C=161
N182	14 N14 ø5.0 c/20 C=165
N183	14 N45 ø5.0 c/20 C=VAR
N122	27 N5 ø5.0 c/20 C=VAR
N168	48 N4 ø5.0 c/20 C=VAR
N123	12 N46 ø5.0 c/20 C=435
N124	9 N47 ø5.0 c/20 C=287
N125	7 N40 ø5.0 c/20 C=150
N126	4 N14 ø5.0 c/20 C=165
N103	6 N48 ø5.0 c/20 C=126
N127	10 N49 ø5.0 c/20 C=154
N128	12 N24 ø5.0 c/20 C=145
N127	10 N50 ø5.0 c/20 C=111
N111	12 N51 ø5.0 c/20 C=254
N184	26 N52 ø5.0 c/12 C=220
N129	9 N53 ø5.0 c/20 C=114
N130	4 N54 ø5.0 c/20 C=101
N169	40 N4 ø5.0 c/20 C=VAR
N131	11 N14 ø5.0 c/20 C=165
N185	11 N53 ø5.0 c/20 C=114
N185	11 N54 ø5.0 c/20 C=101
N114	7 N46 ø5.0 c/20 C=435
N114	7 N55 ø5.0 c/20 C=347
N114	7 N55 ø5.0 c/20 C=347
N132	22 N56 ø5.0 c/18 C=697
N186	32 N57 ø5.0 c/16 C=418
N170	51 N4 ø5.0 c/20 C=VAR
N171	18 N58 ø5.0 c/20 C=243
N172	14 N59 ø5.0 c/20 C=192
N172	14 N54 ø5.0 c/20 C=101
N173	14 N60 ø5.0 c/20 C=VAR
N133	14 N61 ø5.0 c/20 C=VAR
N128	12 N62 ø5.0 c/20 C=548
N134	11 N63 ø5.0 c/20 C=149
N174	19 N64 ø5.0 c/20 C=VAR
N175	14 N65 ø5.0 c/20 C=122
N176	14 N66 ø5.0 c/20 C=193
N177	38 N16 ø5.0 c/20 C=108
N135	36 N5 ø5.0 c/20 C=VAR
N136	14 N67 ø5.0 c/20 C=121
N136	14 N68 ø5.0 c/20 C=576

DETALHE DA ARMADURA DE SUPERIOR DE CONTINUIDADE DA LAJE
E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO

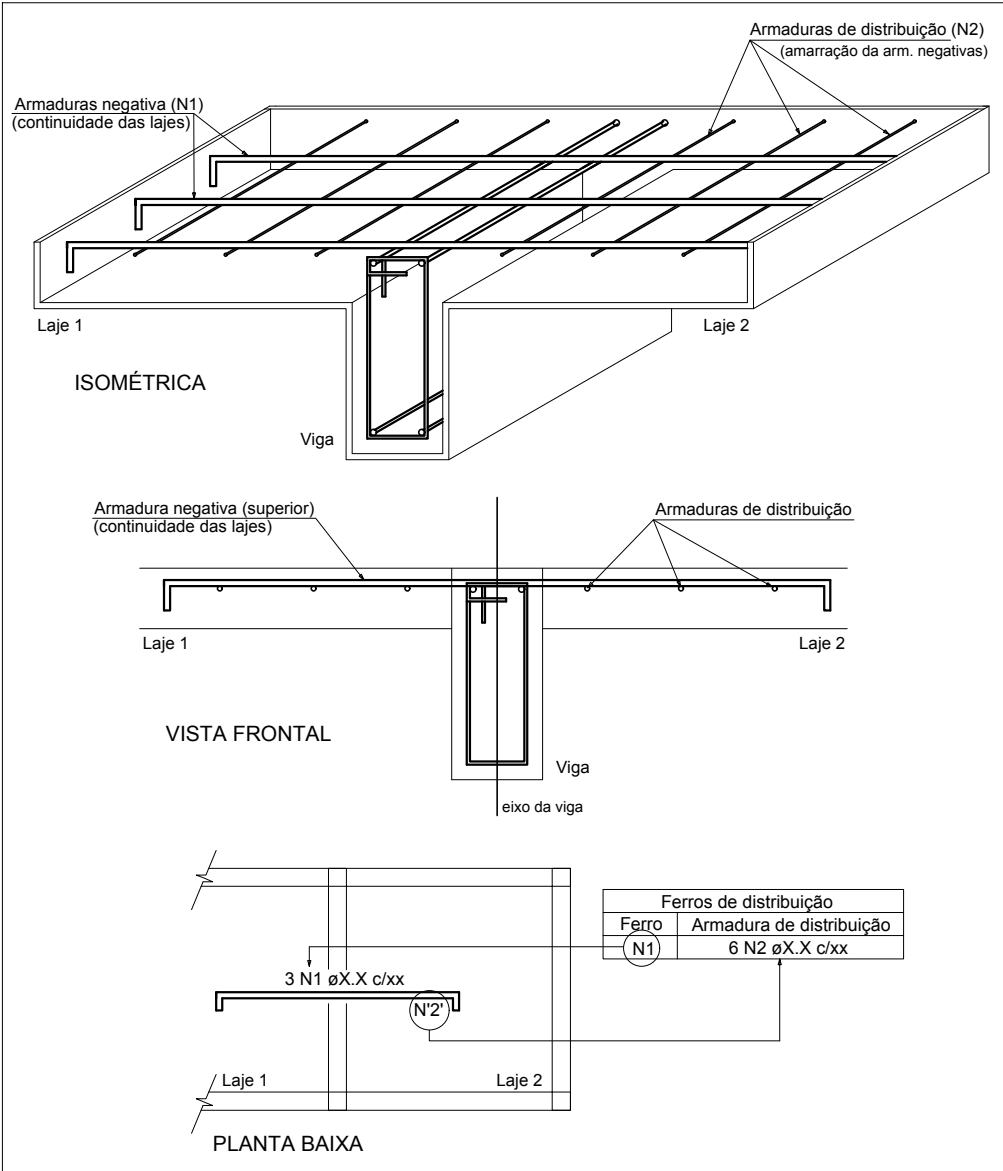


01 DETALHE DA ARMADURA (EIXO Y)

Feros de distribuição	
Ferro	Armadura de distribuição
N180	5 N1 ø5.0 c/20 C=44
N187	6 N1 ø5.0 c/16 C=44
N91	7 N2 ø5.0 c/20 C=86
N91	7 N3 ø5.0 c/20 C=87
N91	7 N3 ø5.0 c/20 C=87
N92	49 N4 ø5.0 c/20 C=VAR
N93	74 N4 ø5.0 c/20 C=VAR
N93	70 N4 ø5.0 c/20 C=VAR
N160	46 N5 ø5.0 c/20 C=VAR
N161	14 N6 ø5.0 c/20 C=VAR
N161	14 N7 ø5.0 c/20 C=VAR
N161	14 N8 ø5.0 c/20 C=VAR
N161	14 N9 ø5.0 c/20 C=VAR
N161	14 N10 ø5.0 c/20 C=VAR
N96	14 N11 ø5.0 c/20 C=345
N97	11 N12 ø5.0 c/20 C=197
N98	5 N13 ø5.0 c/20 C=148
N99	6 N14 ø5.0 c/20 C=165
N99	6 N15 ø5.0 c/20 C=180
N100	9 N15 ø5.0 c/20 C=180
N101	12 N16 ø5.0 c/20 C=108
N102	9 N17 ø5.0 c/20 C=107
N100	9 N14 ø5.0 c/20 C=165
N103	6 N18 ø5.0 c/20 C=80
N104	10 N19 ø5.0 c/20 C=106
N105	13 N20 ø5.0 c/20 C=104
N106	11 N21 ø5.0 c/20 C=215
N107	12 N22 ø5.0 c/20 C=425
N108	14 N23 ø5.0 c/20 C=VAR
N109	4 N24 ø5.0 c/20 C=145
N110	16 N25 ø5.0 c/20 C=VAR
N111	12 N26 ø5.0 c/20 C=245
N181	10 N14 ø5.0 c/20 C=165
N112	14 N27 ø5.0 c/20 C=VAR
N112	14 N28 ø5.0 c/20 C=VAR
N112	14 N29 ø5.0 c/20 C=VAR
N162	11 N30 ø5.0 c/17 C=185
N113	14 N31 ø5.0 c/20 C=250
N114	7 N31 ø5.0 c/20 C=250
N188	16 N31 ø5.0 c/16 C=250
N163	16 N32 ø5.0 c/17 C=VAR
N189	38 N33 ø5.0 c/16 C=473
N190	29 N15 ø5.0 c/12 C=180
N112	14 N34 ø5.0 c/20 C=VAR
N115	27 N35 ø5.0 c/20 C=VAR
N164	45 N5 ø5.0 c/20 C=VAR
N116	57 N4 ø5.0 c/20 C=VAR
N163	14 N36 ø5.0 c/20 C=VAR

02 DETALHE DA ARMADURA (EIXO X)

DETALHE DA ARMADURA DE SUPERIOR DE CONTINUIDADE DA LAJE
E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



Relação do aço

Negativos X		Negativos Y		Positivos X	
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	11	44	484
	2	5.0	7	86	602
	3	5.0	14	87	1218
	4	5.0	437	VAR	VAR
	5	5.0	154	VAR	VAR
	6	5.0	14	VAR	VAR
	7	5.0	14	VAR	VAR
	8	5.0	14	VAR	VAR
	9	5.0	14	VAR	VAR
	10	5.0	14	VAR	VAR
	11	5.0	14	345	4830
	12	5.0	11	197	2167
	13	5.0	5	148	740
	14	5.0	54	165	8910
	15	5.0	44	180	7920
	16	5.0	50	108	5400
	17	5.0	9	107	963
	18	5.0	6	80	480
	19	5.0	10	106	1060
	20	5.0	13	104	1352
	21	5.0	11	215	2365
	22	5.0	12	425	5100
	23	5.0	14	VAR	VAR
	24	5.0	32	145	4640
	25	5.0	16	VAR	VAR
	26	5.0	12	245	2940
	27	5.0	14	VAR	VAR
	28	5.0	14	VAR	VAR
	29	5.0	14	VAR	VAR
	30	5.0	11	185	2035
	31	5.0	37	250	9250
	32	5.0	16	VAR	VAR
	33	5.0	38	473	17974
	34	5.0	14	VAR	VAR
	35	5.0	27	VAR	VAR
	36	5.0	14	VAR	VAR
	37	5.0	14	274	3836
	38	5.0	31	161	4991
	39	5.0	16	288	4608
	40	5.0	21	150	3150
	41	5.0	14	VAR	VAR
	42	5.0	14	144	2016
	43	5.0	17	136	2312
	44	5.0	31	102	3162
	45	5.0	14	VAR	VAR
	46	5.0	19	435	8265
	47	5.0	9	287	2583
	48	5.0	6	126	756
	49	5.0	32	154	4928
	50	5.0	10	111	1110
	51	5.0	65	254	16510
	52	5.0	26	220	5720
	53	5.0	20	114	2280
	54	5.0	29	101	2929
	55	5.0	14	347	4858
	56	5.0	22	697	15334
	57	5.0	32	418	13376
	58	5.0	18	243	4374
	59	5.0	14	192	2688
	60	5.0	14	VAR	VAR
	61	5.0	14	VAR	VAR
	62	5.0	12	548	6576
	63	5.0	11	149	1639
	64	5.0	19	VAR	VAR
	65	5.0	14	122	1708
	66	5.0	14	193	2702
	67	5.0	14	121	1694
	68	5.0	14	576	8064
	69	5.0	117	148	17316
	70	5.0	12	110	1320
	71	5.0	262	149	39038
	72	5.0	101	444	44844
	73	5.0	18	297	5346
	74	5.0	18	159	2862
	75	5.0	67	174	11658
	76	5.0	59	434	25606
	77	5.0	23	289	6647
	78	5.0	22	374	8228
	79	5.0	10	229	2290
	80	5.0	14	224	3136
	81	5.0	8	1401	11208
	82	5.0	5	611	3055
	83	5.0	31	356	11036
	84	5.0	2	301	602
	85	5.0	44	354	15576
	86	5.0	41	189	7749
	87	5.0	8	219	1752
	88	5.0	58	259	15022
	89	5.0	23	VAR	VAR
	90	5.0	2	549	1098
	91	6.3	15	141	2115
	92	6.3	9	VAR	VAR
	93	6.3	14	VAR	VAR
	94	6.3	6	VAR	VAR
	95	6.3	8	VAR	VAR
	96	6.3	17	279	4743
	97	6.3	10	212	2120
	98	6.3	7	90	630
	99	6.3	17	109	1853
	100	6.3	17	174	2958
CA50					

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	3556.3	957.3
	8.0	1381.3	599.5
	10.0	340.1	230.6
CA60	12.5	217.3	230.2
	5.0	5874.9	996.1
PESO TOTAL			

CA50 2017.6
CA60 996.1
Vol. de concreto total (C-25) = 32.54 m³
Área de forma total = 322.53 m²

	101	6.3	5	231	1155
	102	6.3	5	179	895
	103	6.3	10	113	1130
	104	6.3	5	202	1010
	105	6.3	5	255	1275
	106	6.3	11	215	2365
	107	6.3	22	244	5368
	108	6.3	23	VAR	VAR
	109	6.3	7	86	602
	110	6.3	7	VAR	VAR
	111	6.3	25	236	5900
	112	6.3	55	VAR	VAR
	113	6.3	12	285	3420
	114	6.3	68	140	9520
	115	6.3	13	VAR	VAR
	116	6.3	6	VAR	VAR
	117	6.3	48	270	12960
	118	6.3	9	VAR	VAR
	119	6.3	27	344	9288
	120	6.3	10	319	3190
	121	6.3	5	345	1725
	122	6.3	8	VAR	VAR
	123	6.3	22	237	5214
	124	6.3	14	188	2632
	125	6.3	7	138	966
	126	6.3	8	76	608
	127	6.3	14	199	2786
	128	6.3	34	248	8432
	129	6.3	6	180	1080
	130	6.3	5	78	390
	131	6.3	8	224	1792
	132	6.3	116	387	44892
	133	6.3	17	VAR	VAR
	134	6.3	7	214	1498
	135	6.3	12	VAR	VAR
	136	6.3	69	284	19596
	137	6.3	5	881	4405
	138	6.3	2	882	1764
	139	6.3	5	599	2995
	140	6.3	2	600	1200
	141	6.3	5	809	4045
	142	6.3	2	810	1620
	143	6.3	21	444	9324
	144	6.3	5	791	3955
	145	6.3	2	792	1584
	146	6.3	9	706	6354
	147	6.3	10	720	7200
	148	6.3	2	1200	2400
	149	6.3	2	190	380
	150	6.3	7	849	5943
	151	6.3	5	434	2170
	152	6.3	2	436	872
	153	6.3	5	368	1840
	154	6.3	2	369	738
	155	6.3	36	674	24264
	156	6.3	24	658	15702
	157	6.3	6	659	3954
	158	6.3	2	660	1320
	159	6.3	4	110	440
	160	8.0	5	VAR	VAR
	161	8.0	49	VAR	VAR
	162	8.0	21	193	4053
	163	8.0	55	VAR	VAR
	164	8.0	5	VAR	VAR
	165	8.0	5	VAR	VAR
	166	8.0	32	269	8608
	167	8.0	7	278	1946
	168	8.0	5	VAR	VAR
	169	8.0	5	VAR	VAR
	170	8.0	9	VAR	VAR
	171	8.0	12	354	4248
	172	8.0	22	268	5896
	173	8.0	12	VAR	VAR
	174	8.0	10	VAR	VAR
	175	8.0	6	281	1686
	176	8.0	16	270	4320
	177	8.0	9	870	764
	178	8.0	35	706	24710
	179	8.0	24	370	8890
	180	10.0	3	103	300
	181	10.0	8	194	1552
	182	10.0	9	270	2430
	183	10.0	14	VAR	VAR
	184	10.0	22	322	7084
	185	10.0	11	221	2431
	186	10.0	32	513	16416
	187	12.5	3	100	300
	188	12.5	12	248	2976
	189	12.5	24	611	14664
	190	12.5	11	344	3784